

APPENDIX

A. QUESTIONNAIRE

ATTITUDES TOWARDS MARINE INVASIVE SPECIES (SARGASSUM) IN GHANA

A0. Information about the study

This survey is meant to elicit information on the attitudes towards marine invasive species in the central and western regions of Ghana. It is conducted in partial fulfillment of the Master of Science degree program at the Norwegian University of Life Sciences (NMBU) with support from the University of Cape Coast (UCC). The interview will take approximately 20 minutes of your time to complete. Your identity will not be recorded and the results from this survey will be presented as averages across all respondents interviewed and cannot be traced back to the individual respondent. We hope you will contribute to inform policy decisions on this topic by participating in this survey.

There are no right or wrong answers. Answer the questions as best as you can, reflecting your own views.

A1. Background information of respondents/community

1. How many years have you lived in this community?

Ans:(years) (IF LESS THAN ONE YEAR WRITE "0". IF THEY DO NOT LEAVE HERE, END INTERVIEW)

2. What do you think are the main economic activities of this community (list them below)

Ans:

3. Which economic activities are you and your household involved in?

(CIRCLE ALL RELEVANT ACTIVITIES)

1. Fishing/ fish Monger
2. Professional job (teaching, nursing, public servant, etc.)

3. Student/apprentice
4. Farming
5. Petty trading/ food vendors
6. Tourism (hotel, restaurant, resorts)
7. Small business owner
8. Artisans (Tailors, Hairdressers, Carpenters, Masonry Driving, etc.)
9. Others (please specify)

4. How many people in total – adults and children - do you have in your household;- including yourself?

Ans:people.

5. How many of these are children (less than 18 years old) ?

Anschildren in the household (WRITE “0” IF NO CHILDREN ARE IN THE HOUSEHOLD)

A2. Marine invasive alien species

Marine invasive alien species are plants and animals that are introduced either accidentally or deliberately into the part of the sea where they are not normally found. They cause changes to their new environment. If they find adequate conditions to survive, reproduce and spread, they can cause harm to other marine plants and animals and human livelihood. Some invasive alien species also provide benefits in the form of being harvestable fish species or biofuel.

6. Do you know of any new species in your environment that were previously not here?

0. No

1. yes

7. If “yes”, mention them.

Ans:

8. Have you ever seen this seaweed - Sargassum before (see picture below)

SHOW PICTURE 1



0. No

1. Yes

9. Do you find them in this community?

0. No

1. Yes

2. Don't know.

10. If “Yes”, for how many years have you seen sargassum in this community?

Ans: 0, 1, 2, 3, Don't know.

11. What can you say about the change in the quantity of sargassum in this community? Is there:

(READ ALTERNATIVES)

1. No change in quantity.

2. An increase in quantity.

- 3. A decrease in quantity.
- 4. Do not know.

12. IF ANSWERED “2” TO QUESTION 11: If you have noticed an increase in the Sargassum, which periods of the year do you notice this the most?

Ans:

13. In what ways does Sargassum affect you and your household’s daily life and livelihood?

(TICK effects that apply to you and your household and whether the effects are positive or negative)

Activity	Impacts		
	Positive	Negative	Not relevant
Fishing/fish monger			
Recreation			
Sand weaning			
Tourism			
Trading			
Water quality			
Environmental quality			
Stench			
Other;.....please specify:			

14. Do you think the overall impact of Sargassum in this community is positive, negative or none?

- 1. Positive
- 2. Negative
- 3. None/negligible

15. Does the presence of Sargassum have any effect on the income of your household?

- 0. No
- 1. Yes
- 2. Do not know

16. IF ANSWERED “Yes” TO QUESTION 15, which period of the year is your income affected by the Sargassum invasion, and for how long?

- A. Month: 1= January 2 = February etc. 12 = December
- B. Random

B. Duration: no. of week

C. Approximately how large percentage of your household income do you think you lose on average during these periods?

Ans: 1. Less than a quarter (1/4) of income.

2. $1/4$ to $1/2$

3. More than $1/2$ of income,

4. Don't know

A3.Existing control measures for Sargassum

17. Do you know any interventions by any agency/government meant to control the presence and spread of Sargassum?

- 0. No, I know I do not know of any measures.
- 1. Yes , I know measure

18. IF ANSWERED “Yes” TO QUESTION 17: Please list some of these control measures for Sargassum

Ans:

19. In your opinion how successful have the measures been?

1. Very successful
2. Somewhat successful
3. Somewhat unsuccessful
4. Very unsuccessful
5. Do not know.

20. What has been done by the community to reduce the invasion of Sargassum?

Ans:

21. What measure(s) have you and your household taken to reduce the impact of the sargassum invasion on your household?

Ans:

A4.Willingness to pay Questions.

SCENARIO A (WTP)

Considering the growth of Sargassum along the coastal region of Ghana, the government through the Ministry of Fisheries and Aquaculture (MOFAD) is considering to implement a program to control and manage Sargassum in the affected communities. This program Sargassum will be implemented at the local level, and it is expected that in the next 10 years, each community should have successfully implemented the program to prevent the spread of Sargassum from one community to the other. The program will involve the use of non-toxic chemicals, tools, and other resources to clean Sargassum both on the beaches and in the sea. This will also prevent future invasions of Sargassum and other alien species. The government is providing the technical support

to lead the program, and they will be funded through donor support, industrial funding and an annual environmental tax to be paid by households within each community. Community heads together with an established committee will see to the efficient disbursement and implementation of the program and the entire fund will be used solely for the cleaning of the sargassum. The program will be a success if each household in the community is willing to make annual payments in the form of an environmental tax on each household.

The program when completed after 10 years will achieve a clean coastline, illustrated by moving from picture 1 to picture 2 where there will not be any Sargassum.

SHOW PICTURE I AND PICTURE 2



Picture 1 – Without the Sargassum Control Program (Current situation)



Picture 2 – With the Sargassum Control Program

22. Comparing the current situation and the result of the implementation above, which of these is your preferred choice

0. Without the Sargassum Control program (Current situation). picture 1

1. With the Sargassum Control Program (picture 2)

ASK QUESTIONS 23 TO ALL RESPONDENTS INDEPENDENT OF WHAT THEY ANSWERED
IN Q 22

23. Think about what it is worth to you and your household to get rid of the Sargassum in your community. What, if anything, is the highest amount your household is willing to pay annually in the form of an annual environment tax to control Sargassum in your community? Remember that if you pay for this, you have less money to use for other things.

0. 0
1. 4
2. 8
3. 12
4. 18
5. 24
6. 30
7. 36
8. 42
9. 48
10. 54
11. 60
12. More than 60 Gh¢: please specify.....
13. Don't know

IF THE RESPONDENT ANSWERED Gh¢ 0 (year for 10 years), OR DON'T KNOW, ASK QUESTION 24.

IF THE RESPONDENT ANSWERED Gh¢ 12 OR MORE (FOR 10 YEARS) ASK QUESTION 25

24. What is the most important reason for you not being willing to pay anything, or that you don't know what you are willing to pay, to control sargassum in your community? Please choose the most important reason. (ONLY ONE REPLY OPTION IS ALLOWED)

SHOW CARD WITH REPLY OPTIONS

1. I cannot afford to pay anything.
2. I do not think I should pay for the control of the sargassum.
3. I do not trust the government.
4. Controlling the Sargassum invasion is not relevant to me.
5. I doubt the feasibility of the program.
6. I am happy seeing Sargassum along the coast and in the sea.
7. Sargassum is not a problem in my community
8. I think it is difficult to state the amount
9. I would like to contribute labor rather than pay a tax
10. Other reasons, please specify _____

25. Why are you willing to pay something to control the invasion of sargassum in your community?

Please choose the most important reason (ONLY ONE REPLY OPTION IS ALLOWED)

SHOW CARD WITH REPLY OPTIONS

1. I want a preserve, a clean environment in the ocean
2. I want to reduce the stench from the sargassum.
3. I want to increase fish catch in the community.
4. I want to see growth in my community.
5. others. please specify.....

SCENARIO B (LABOUR)

Imagine that Instead of collecting environmental taxes from the households, the government would like to use local labor in controlling Sargassum. The program will last for 10 years and labor hours are offered at regular intervals. The program is intended to start with communities who are willing to contribute local labor to the program. Note that offering labor will mean that you will have limited time for other activities including income-generating activities. This program will also get rid of the Sargassum in your community and the outcome will be as in picture 2.

SHOW PICTURE 2 AGAIN

26. Considering that the above alternative does not involve any further monetary payments but will achieve the same result shown in picture 2, are you willing to contribute labor to control the invasion of the sargassum in your community?

0. No I am not willing to contribute labor.

1. yes, I am willing to contribute labor

ASK QUESTION 27 TO ALL RESPONDENTS INDEPENDENT OF WHAT THEY ANSWERED IN QUESTION 27

27. Think about What it is worth to you and your household to get rid of Sargassum in your communities. What, if any, labor time is your household willing to contribute annually to control Sargassum in your community? Note that offering labor will mean that you will have limited time for other activities including income-generating activities.

Person- hours per household per year for 10 years

0. 0

1. 4

2. 8

3. 12

4. 18

5. 24

6. 30

7. 36

8. 42

9. 48

10. 54

11. 60

12. more than 60 hours; specifyhours/year for 10 years

13. Don't know

IF THE RESPONDENT ANSWERED 0 HOURS/YEAR (FOR 10 YEARS) OR DON'T KNOW,
ASK QUESTION 28

28. What is the most important reason why you and your household will not contribute labor to control Sargassum in your community? (*ONLY ONE REPLY OPTION IS ALLOWED*)

0. I am old and do have not the energy to work

1. I have a physical disability and cannot work.

2. My work schedule will not allow me to do this community work

3. I will be willing to pay rather than contribute labor

4. My household have no spare time for this

5. Difficult to state the number of hours

6. Other reasons (please specify);

29. Why are you willing to contribute labor in controlling Sargassum? (*ONLY ONE REPLY OPTION ALLOWED*)

SHOW CARD WITH REPLY OPTIONS

1. I want a preserve, a clean environment in the ocean.

- 2. I want to reduce the stench from the sargassum.
- 3. I want to increase fish catch in the community.
- 4. I want to see growth in my community.
- 5. others, please specify.....

30. How realistic do you think it is that these two Sargassum control program will be implemented?

Program	Realistic/success expectation	tick
Environment tax	Very realistic	
	Somewhat realistic	
	Less realistic	
	Unrealistic	
	Do not know	
Contribution of labor	Very realistic	
	Somewhat realistic	
	Less realistic	
	Unrealistic	
	Do not know	

A5. Socio-demographic characteristics

31. Age.....

32. Gender

0. Male

1. Female

33. What is your highest level of education

0. None

1. Primary

2. Junior high school

3. Senior high school

4. Tertiary

34. Employment status

0. unemployed

1. full-time

2. part-time

3. student

4. apprentice

5. retired/ pensioneer

35. Marital status

1. Married

2. Unmarried

3. Divorced

4. Widowed

36. Number of wives

1. one

2. two

3. three

4. four

37. Type of household head

1. Male-headed

2. Female-headed.

38. What was the total expenditure for your household the previous month?

Ans Gh¢...../month

39. What was your savings for the previous month?

Gh¢.....per/month

Thank you for your response to this survey. We really appreciate your time and effort.

Do you have any comment you would like to add regarding this topic or the questions we have asked?

Answer:

B

Table 5.2.3.1 Gender Distribution of Respondents for the study

Gender	Freq.	Percent	Cum.
male	373	70.64	70.64
female	155	29.36	100.00
Total	528	100.00	

Table 5.2.3.2 Regional Distribution of Respondents for the study.

	Freq.	Percent	Cum.
central	131	24.81	24.81
western	397	75.19	100.00
Total	528	100.00	

Table 5.2.3.3 Employment status of respondents for the study.

	Freq.	Percent	Cum.
unemployed	36	6.82	6.82
full time	386	73.11	79.92
Part-time	41	7.77	87.69
student	24	4.55	92.23
apprentice	26	4.92	97.16
retired/pensioner	15	2.84	100.00
Total	528	100.00	

Table 5.2.3.4 Distribution of Respondents by Education

LEVEL OF EDU	Freq.	Percent	Cum.
none	207	39.20	39.20
primary	122	23.11	62.31
junior high	98	18.56	80.87
snr high	62	11.74	92.61
tertiary	39	7.39	100.00
Total	528	100.00	

Table 5.2.3.5 Distribution of Respondents Household by their main Economic Activity.

HHA	Freq.	Percent	Cum.
unemployed	5	0.95	0.95
fishing/fish monger	423	80.11	81.06
professional job	31	5.87	86.93
student/apprentice	13	2.46	89.39
farming	9	1.70	91.10
petty trading	14	2.65	93.75
tourism	9	1.70	95.45
small business	9	1.70	97.16

artisans	15	2.84	100.00
Total	528	100.00	

Table 5.2.1 Pairwise correlations

Variables	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
(1) AGE	1.000											
(2) EDUCATION	-0.355	1.000										
(3) ECO_ACTIVITY	-0.103	0.238	1.000									
(4) EMPLOYMENT_STA~S	-0.024	0.099	0.060	1.000								
(5) ENUMERATORS	0.121	-0.069	-0.061	-0.001	1.000							
(6) EXPENDITURE	0.227	0.057	0.081	-0.157	0.002	1.000						
(7) HHSIZE	0.305	-0.284	-0.141	0.025	0.018	0.124	1.000					
(8) HHMINORS	0.148	-0.322	-0.120	-0.033	0.025	0.064	0.722	1.000				
(9) INCOME	0.212	0.077	0.099	-0.147	-0.039	0.967	0.104	0.032	1.000			
(10) MALE	0.224	-0.023	-0.089	-0.191	0.039	0.207	0.142	0.077	0.151	1.000		
(11) SAVINGS	0.064	0.101	0.083	-0.133	-0.058	0.587	0.043	-0.033	0.774	0.132	1.000	
(12) YRS_SARG_VISI~Y	0.446	-0.141	-0.023	-0.040	0.022	0.300	0.248	0.099	0.276	0.163	0.146	1.000

Presentation of logit and probit models in tables

Logistic regression- Willingness to pay – (money)

Model 1							
POSITIVE_WTP_MONEY	Coef.	St.Err.	t-value	p-value	[95% Conf	Interval]	Sig
: base central	0	.	.	.	.	.	.
western	.535	.271	1.97	.048	.004	1.066	**
LEVEL OF EDU : bas~e	0	.	.	.	.	.	.
primary	.609	.288	2.11	.034	.045	1.174	**
junior high	.577	.317	1.82	.068	-.044	1.197	*
snr high	.154	.433	0.36	.722	-.695	1.003	
tertiary	1.034	.642	1.61	.107	-.223	2.292	
: base unemployed	0	.	.	.	.	.	.
full time	1.589	.468	3.39	.001	.671	2.507	***
part time	1.581	.576	2.74	.006	.451	2.711	***
student	1.034	.689	1.50	.133	-.316	2.383	
apprentice	1.156	.653	1.77	.077	-.124	2.436	*
retired/pensioner	.905	.801	1.13	.258	-.665	2.474	
HHA : base unemplo~d	0	.	.	.	.	.	.
fishing/fish monger	-.659	1.138	-0.58	.563	-2.89	1.572	
professional job	-.685	1.289	-0.53	.595	-3.212	1.842	
student/apprentice	-.777	1.293	-0.60	.548	-3.31	1.757	
farming	.023	1.38	0.02	.987	-2.682	2.727	
petty trading	-1.107	1.28	-0.87	.387	-3.615	1.401	
6o	0	.	.	.	.	.	.
small business	-1.869	1.334	-1.40	.161	-4.484	.746	
artisans	-1.578	1.261	-1.25	.211	-4.05	.893	
Gender : base female	0	.	.	.	.	.	.
male	.066	.268	0.25	.806	-.459	.59	
M-status : base ma~d	0	.	.	.	.	.	.
unmarried	.076	.373	0.20	.839	-.654	.806	
divorced	1.145	.531	2.16	.031	.104	2.186	**
widowed	.368	.429	0.86	.39	-.472	1.208	
EFFECTIVENESS_WTP-MONEY	-2.653	.453	-5.85	0	-3.542	-1.765	***
YEARS_OF_RESIDENCE	-.023	.008	-2.89	.004	-.039	-.007	***
ENUMERATORS	-.104	.213	-0.49	.626	-.522	.314	
Constant	1.853	1.23	1.51	.132	-.559	4.264	
Mean dependent var	0.637		SD dependent var	0.481			
Pseudo r-squared	0.198		Number of obs	512			
Chi-square	132.683		Prob > chi2	0.000			
Akaike crit. (AIC)	588.327		Bayesian crit. (BIC)	694.285			

*** $p < .01$, ** $p < .05$, * $p < .1$

Table 0.2 Model 2

POSITIVE_WTP	Coef.	St.Err.	t-value	p-value	[95% Conf	Interval]	Sig
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<u>MONEY</u>							
: base central	0	
western	.833	.249	3.35	.001	.345	1.321	***
LEVEL OF EDU :	0	
bas~e							
primary	.567	.287	1.98	.048	.004	1.13	**
junior high	.557	.321	1.74	.083	-.072	1.187	*
snr high	.123	.437	0.28	.779	-.734	.98	
tertiary	.981	.641	1.53	.126	-.276	2.238	
: base	0	.	.	.	.	.
unemployed							
full time	1.428	.456	3.13	.002	.535	2.321	***
part time	1.393	.566	2.46	.014	.283	2.503	**
student	.877	.688	1.28	.202	-.471	2.225	
apprentice	1.068	.641	1.67	.096	-.189	2.326	*
retired/pensioner	.241	.75	0.32	.748	-1.229	1.71	
HHA : base	0	.	.	.	.	.
unemplo~d							
fishing/fish	-.746	1.16	-0.64	.52	-3.019	1.528	
monger							
professional job	-.786	1.309	-0.60	.548	-3.351	1.78	
student/apprentice	-.917	1.304	-0.70	.482	-3.473	1.639	
farming	.113	1.4	0.08	.935	-2.631	2.858	
petty trading	-1.084	1.309	-0.83	.408	-3.65	1.483	
6o	0	.	.	.	.	.
small business	-1.816	1.351	-1.34	.179	-4.463	.832	
artisans	-1.634	1.282	-1.27	.203	-4.147	.88	
Gender : base	0	.	.	.	.	.
female							
male	.04	.266	0.15	.88	-.481	.562	
M-status : base	0	.	.	.	.	.
ma~d							
unmarried	.123	.374	0.33	.742	-.611	.857	
divorced	.947	.523	1.81	.07	-.078	1.972	*
widowed	.291	.428	0.68	.497	-.548	1.13	
EFFECTIVENES	-2.622	.454	-5.77	0	-3.512	-1.731	***
S_WTP-MONEY							
ENUMERATOR	-.108	.212	-0.51	.611	-.524	.308	
S							
HHSIZE	-.064	.039	-1.63	.103	-.141	.013	
Constant	1.782	1.255	1.42	.156	-.677	4.242	
Mean dependent var	0.637		SD dependent var	0.481			
Pseudo r-squared	0.189		Number of obs	512			
Chi-square	126.824		Prob > chi2	0.000			
Akaike crit. (AIC)	594.186		Bayesian crit. (BIC)	700.144			

*** $p < .01$, ** $p < .05$, * $p < .1$

Table 0.3 Model 3

POSITIVE_WTP	Coef.	St.Err.	t-value	p-value	[95% Conf	Interval]	Sig
<u>MONEY</u>							
: base central	0	.	.	.	.	.
western	.846	.239	3.54	0	.377	1.316	***
LEVEL OF EDU :	0	.	.	.	.	.

bas~e							
primary	.53	.283	1.87	.061	-.025	1.085	*
junior high	.499	.316	1.58	.114	-.119	1.118	
snr high	.058	.421	0.14	.891	-.768	.883	
tertiary	1.024	.549	1.86	.062	-.052	2.1	*
: base	0	.	.	.	.	.
unemployed							
full time	1.334	.441	3.03	.002	.47	2.197	***
part time	1.332	.554	2.40	.016	.246	2.418	**
student	.841	.664	1.27	.205	-.461	2.143	
apprentice	1.054	.632	1.67	.095	-.184	2.292	*
retired/pensioner	.216	.736	0.29	.77	-1.228	1.659	
Gender : base	0	.	.	.	.	.
female							
male	.087	.254	0.34	.733	-.411	.584	
M-status : base	0	.	.	.	.	.
ma~d							
unmarried	.021	.359	0.06	.954	-.682	.723	
divorced	.901	.513	1.75	.079	-.106	1.907	*
widowed	.29	.426	0.68	.495	-.545	1.126	
EFFECTIVENES	-2.653	.447	-5.93	0	-3.53	-1.777	***
S_WTP-MONEY							
ENUMERATOR	-.087	.208	-0.42	.677	-.495	.322	
S							
HHSIZE	-.058	.038	-1.51	.131	-.132	.017	
Constant	1.061	.678	1.57	.117	-.267	2.389	

Mean dependent var	0.643	SD dependent var	0.480
Pseudo r-squared	0.187	Number of obs	521
Chi-square	126.891	Prob > chi2	0.000
Akaike crit. (AIC)	588.155	Bayesian crit. (BIC)	664.759

*** $p < .01$, ** $p < .05$, * $p < .1$

Table 0.4 Model 4

POSITIVE_WTP _MONEY	Coef.	St.Err.	t-value	p-value	[95% Conf Interval]	Sig	
: base central							
western	.624	.291	2.14	.032	.054	1.194	**
LEVEL OF EDU :	0	.	.	.	.	.
bas~e							
primary	.623	.311	2.00	.045	.013	1.233	**
junior high	.491	.332	1.48	.139	-.16	1.142	
snr high	-.091	.456	-0.20	.843	-.984	.803	
tertiary	1.537	.846	1.82	.069	-.12	3.194	*
: base	0	.	.	.	.	.
unemployed							
full time	1.942	.576	3.37	.001	.813	3.072	***
part time	1.744	.676	2.58	.01	.418	3.07	***
student	1.405	.791	1.78	.075	-.144	2.955	*
apprentice	1.575	.73	2.16	.031	.145	3.005	**
retired/pensioner	.497	.864	0.57	.566	-1.198	2.191	
EFFECTIVENES	-2.729	.542	-5.03	0	-3.792	-1.665	***

S_WTP-MONEY						
HHSIZE	-.053	.042	-1.24	.214	-.136	.03
EXPENDITURE	0	0	0.48	.635	0	.001
EFFECT_SARG_	-.587	.589	-1.00	.319	-1.743	.568
COMM						
Constant	.92	.816	1.13	.259	-.678	2.519
<hr/>						
Mean dependent var	0.689		SD dependent var		0.463	
Pseudo r-squared	0.192		Number of obs		450	
Chi-square	107.196		Prob > chi2		0.000	
Akaike crit. (AIC)	480.792		Bayesian crit. (BIC)		542.431	

*** $p < .01$, ** $p < .05$, * $p < .1$

Table 0.5 Model 5

POSITIVE_WTP _MONEY	Coef.	St.Err.	t-value	p-value	[95% Conf Interval]	Sig	
: base central	0	.	.	.	.	.
western	.533	.266	2.00	.045	.011	1.055	**
LEVEL OF EDU :	0	.	.	.	.	.
bas~e							
primary	.577	.286	2.02	.044	.017	1.138	**
junior high	.457	.312	1.46	.144	-.155	1.068	
snr high	-.016	.412	-0.04	.969	-.825	.792	
tertiary	.882	.627	1.41	.16	-.347	2.112	
: base	0	.	.	.	.	.
unemployed							
full time	1.561	.444	3.51	0	.69	2.432	***
part time	1.535	.567	2.71	.007	.424	2.647	***
student	1.02	.662	1.54	.123	-.278	2.318	
apprentice	1.191	.628	1.90	.058	-.039	2.421	*
retired/pensioner	1.014	.782	1.30	.194	-.518	2.546	
HHA : base	0	.	.	.	.	.
unemplo~d							
fishing/fish	-.69	1.087	-0.63	.526	-2.82	1.441	
monger							
professional job	-.762	1.245	-0.61	.541	-3.202	1.678	
student/apprentice	-.896	1.238	-0.72	.469	-3.323	1.53	
farming	.05	1.34	0.04	.97	-2.576	2.675	
petty trading	-1.112	1.232	-0.90	.367	-3.528	1.303	
6o	0	.	.	.	.	.
small business	-2.025	1.281	-1.58	.114	-4.535	.486	
artisans	-1.478	1.219	-1.21	.225	-3.866	.91	
EFFECTIVENES	-2.637	.452	-5.84	0	-3.523	-1.752	***
S_WTP-MONEY							
HHSIZE	-.058	.039	-1.48	.138	-.134	.019	
YEARS_OF_RES	-.02	.008	-2.50	.012	-.035	-.004	**
IDENCE							
Constant	2.299	1.19	1.93	.053	-.032	4.631	*
<hr/>							
Mean dependent var	0.637		SD dependent var		0.481		
Pseudo r-squared	0.192		Number of obs		512		
Chi-square	129.110		Prob > chi2		0.000		

Akaike crit. (AIC) 583.899 Bayesian crit. (BIC) 672.904

*** $p < .01$, ** $p < .05$, * $p < .1$

Logistic regressions - Willingness to pay –(time) models.

Table 0.6 Model 1

POSITIVE_WTP _TIME	Coef.	St.Err.	t-value	p-value	[95% Conf Interval]	Sig
: base central	0	.	.	.	.	.
western	-.014	.352	-0.04	.968	-.705	.676
LEVEL OF EDU :	0	.	.	.	.	.
bas~e						
primary	.454	.401	1.13	.258	-.333	1.24
junior high	.536	.455	1.18	.24	-.357	1.428
snr high	-.168	.519	-0.32	.747	-1.186	.85
tertiary	-1.051	.563	-1.87	.062	-2.154	.052
: base	0	.	.	.	.	.
unemployed						
full time	-.408	.593	-0.69	.491	-1.571	.754
part time	.321	.802	0.40	.689	-1.25	1.893
student	-.927	.869	-1.07	.286	-2.631	.777
apprentice	1.461	1.441	1.01	.311	-1.363	4.285
retired/pensioner	-2.553	.898	-2.84	.004	-4.313	-.792
HHA : base	0	.	.	.	.	.
unemplo~d						
fishing/fish monger	.934	1.266	0.74	.461	-1.548	3.416
professional job	-.169	1.343	-0.13	.9	-2.8	2.463
student/apprentice	1.203	1.65	0.73	.466	-2.031	4.437
farming	.385	1.606	0.24	.81	-2.763	3.534
petty trading	-.297	1.434	-0.21	.836	-3.107	2.513
tourism	-1.369	1.429	-0.96	.338	-4.17	1.432
small business	-.804	1.477	-0.54	.586	-3.698	2.09
artisans	-1.017	1.376	-0.74	.46	-3.714	1.681
EFFECTIVENES	-.206	.361	-0.57	.568	-.914	.501
S_WTP-MONEY						
EFFECTIVENES	3.063	.382	8.02	0	2.315	3.811
S_LABOUR						
YEARS_OF_RES	-.024	.009	-2.58	.01	-.042	-.006
IDENCE						
Constant	-.642	1.398	-0.46	.646	-3.382	2.098
Mean dependent var	0.803		SD dependent var	0.398		
Pseudo r-squared	0.307		Number of obs	519		
Chi-square	158.020		Prob > chi2	0.000		
Akaike crit. (AIC)	400.368		Bayesian crit. (BIC)	493.909		

*** $p < .01$, ** $p < .05$, * $p < .1$

Model 2

POSITIVE_WTP _TIME	Coef.	St.Err.	t-value	p-value	[95% Conf	Interval]	Sig
: base central	0	.	.	.	.	.
western	-.062	.364	-0.17	.866	-.775	.652	
YEARS_OF_RES	-.007	.011	-0.66	.507	-.029	.014	
IDENTENCE							
YRS_SARG_VIS	-.164	.056	-2.92	.004	-.274	-.054	***
IBILITY							
HHMINORS	.24	.09	2.66	.008	.064	.417	***
MARITAL_STA	-.01	.178	-0.06	.953	-.359	.338	
TUS							
LEVEL OF EDU :	0	.	.	.	.	.
bas~e							
primary	.499	.422	1.18	.237	-.328	1.325	
junior high	.642	.465	1.38	.167	-.269	1.553	
snr high	-.054	.518	-0.10	.917	-1.07	.962	
tertiary	-1.027	.584	-1.76	.079	-2.171	.117	*
: base	0	.	.	.	.	.
unemployed							
full time	-.295	.615	-0.48	.631	-1.501	.911	
part time	.523	.855	0.61	.541	-1.154	2.199	
student	-.98	.88	-1.11	.265	-2.704	.745	
apprentice	1.712	1.704	1.00	.315	-1.627	5.052	
retired/pensioner	-2.895	.98	-2.95	.003	-4.816	-.974	***
HHA : base	0	.	.	.	.	.
unemplo~d							
fishing/fish	1.439	1.285	1.12	.263	-1.079	3.957	
monger							
professional job	.4	1.365	0.29	.769	-2.275	3.076	
student/apprentice	1.584	1.653	0.96	.338	-1.656	4.823	
farming	.589	1.615	0.36	.715	-2.577	3.755	
petty trading	-.065	1.457	-0.04	.964	-2.92	2.79	
tourism	-.748	1.453	-0.51	.607	-3.597	2.1	
small business	-.044	1.491	-0.03	.976	-2.966	2.877	
artisans	-.719	1.398	-0.51	.607	-3.458	2.02	
EFFECTIVENES	2.952	.402	7.34	0	2.164	3.74	***
S_LABOUR							
Constant	-.876	1.434	-0.61	.541	-3.686	1.934	
Mean dependent var	0.812		SD dependent var	0.391			
Pseudo r-squared	0.340		Number of obs	516			
Chi-square	169.456		Prob > chi2	0.000			
Akaike crit. (AIC)	377.297		Bayesian crit. (BIC)	479.203			

*** $p < .01$, ** $p < .05$, * $p < .1$

Model 3

POSITIVE_WTP _TIME	Coef.	St.Err.	t-value	p-value	[95% Conf	Interval]	Sig
: base central	0	.	.	.	.	.
western	.124	.331	0.38	.706	-.523	.772	
YRS_SARG_VIS	-.165	.047	-3.52	0	-.257	-.073	***
IBILITY							

HHMINORS	.238	.088	2.71	.007	.066	.409	***
M-status : base	0	.	.	.	.	.
ma~d							
unmarried	-.171	.439	-0.39	.697	-1.032	.69	
divorced	.308	.828	0.37	.71	-1.314	1.93	
widowed	-.115	.569	-0.20	.84	-1.231	1.001	
LEVEL OF EDU : base	0	.	.	.	.	.
bas~e							
primary	.485	.415	1.17	.242	-.328	1.298	
junior high	.513	.454	1.13	.259	-.378	1.403	
snr high	-.491	.497	-0.99	.323	-1.466	.483	
tertiary	-1.556	.48	-3.24	.001	-2.498	-.614	***
: base	0	.	.	.	.	.
unemployed							
full time	-.459	.58	-0.79	.429	-1.595	.677	
part time	.284	.805	0.35	.725	-1.295	1.862	
student	-.601	.867	-0.69	.488	-2.301	1.098	
apprentice	.866	1.351	0.64	.522	-1.782	3.514	
retired/pensioner	-3.218	.951	-3.39	.001	-5.081	-1.355	***
: base 0	0	.	.	.	.	.
1	2.799	.386	7.25	0	2.042	3.555	***
ENUMERATOR	.48	.288	1.67	.096	-.085	1.044	*
S							
Constant	.122	.765	0.16	.873	-1.378	1.622	

Mean dependent var	0.812	SD dependent var	0.391
Pseudo r-squared	0.305	Number of obs	516
Chi-square	152.021	Prob > chi2	0.000
Akaike crit. (AIC)	382.732	Bayesian crit. (BIC)	459.162

*** $p < .01$, ** $p < .05$, * $p < .1$

Model 4

POSITIVE_WTP _TIME	Coef.	St.Err.	t-value	p-value	[95% Conf	Interval]	Sig
: base central	0	.	.	.	.	.
western	.301	.347	0.87	.386	-.378	.98	
YRS_SARG_VIS	-.163	.051	-3.20	.001	-.263	-.063	***
IBILITY							
HHMINORS	.22	.095	2.31	.021	.033	.406	**
M-status : base	0	.	.	.	.	.
ma~d							
unmarried	-.111	.488	-0.23	.82	-1.068	.846	
divorced	.333	.856	0.39	.697	-1.345	2.011	
widowed	-.101	.588	-0.17	.863	-1.253	1.051	
ENUMERATOR	.538	.314	1.71	.086	-.077	1.153	*
S							
LEVEL OF EDU : base	0	.	.	.	.	.
bas~e							
primary	.468	.43	1.09	.276	-.375	1.312	
junior high	.666	.496	1.34	.18	-.306	1.638	
snr high	-.122	.554	-0.22	.825	-1.208	.963	
tertiary	-1.295	.544	-2.38	.017	-2.361	-.229	**
: base	0	.	.	.	.	.
unemployed							

full time	-0.187	.607	-0.31	.758	-1.376	1.002	
part time	.421	.831	0.51	.612	-1.208	2.05	
student	.076	1.039	0.07	.942	-1.961	2.112	
4o	0	.	.	.	.	.
retired/pensioner	-3.203	.979	-3.27	.001	-5.121	-1.285	***
: base 0	0	.	.	.	.	.
1	2.817	.399	7.05	0	2.034	3.599	***
efish	-1.332	.448	-2.98	.003	-2.21	-.455	***
Constant	-.069	.811	-0.09	.932	-1.658	1.521	

Mean dependent var	0.823	SD dependent var	0.382
Pseudo r-squared	0.330	Number of obs	475
Chi-square	146.219	Prob > chi2	0.000
Akaike crit. (AIC)	333.024	Bayesian crit. (BIC)	407.963

*** $p < .01$, ** $p < .05$, * $p < .1$

Model 5

POSITIVE_WTP TIME	Coef.	St.Err.	t-value	p-value	[95% Conf Interval]	Sig	
: base central	0	.	.	.	.	.
western	.755	.505	1.49	.135	-.235	1.746	
YRS_SARG_VIS	-.243	.072	-3.37	.001	-.384	-.101	***
IBILITY							
HHMINORS	.347	.137	2.52	.012	.077	.616	**
M-status : base	0	.	.	.	.	.
ma~d							
unmarried	.38	.687	0.55	.58	-.966	1.727	
divorced	-.473	1.192	-0.40	.692	-2.808	1.863	
widowed	1.356	1.11	1.22	.222	-.82	3.533	
ENUMERATOR	.148	.435	0.34	.734	-.704	1	
S							
LEVEL OF EDU :	0	.	.	.	.	.
bas~e							
primary	.388	.621	0.62	.532	-.829	1.604	
junior high	.933	.691	1.35	.177	-.422	2.288	
snr high	-.754	.712	-1.06	.289	-2.15	.641	
tertiary	-1.466	.678	-2.16	.031	-2.795	-.137	**
: base	0	.	.	.	.	.
unemployed							
full time	-1.688	1.704	-0.99	.322	-5.028	1.651	
part time	-1.097	1.814	-0.60	.545	-4.652	2.459	
student	-.623	2.114	-0.29	.768	-4.766	3.52	
4o	0	.	.	.	.	.
retired/pensioner	-4.845	2.109	-2.30	.022	-8.978	-.712	**
: base 0	0	.	.	.	.	.
1	3.151	.559	5.64	0	2.055	4.246	***
efish	-1.815	.616	-2.95	.003	-3.023	-.607	***
Linc	.608	.346	1.76	.078	-.069	1.286	*
Constant	-2.456	3.032	-0.81	.418	-8.398	3.486	

Mean dependent var	0.842	SD dependent var	0.365
Pseudo r-squared	0.400	Number of obs	311
Chi-square	108.318	Prob > chi2	0.000
Akaike crit. (AIC)	200.622	Bayesian crit. (BIC)	271.678

*** $p < .01$, ** $p < .05$, * $p < .1$

Linear regression for willingness to pay- (money)

Model 1

WTP_MID_MON EY	Coef.	St.Err.	t-value	p-value	[95% Conf Interval]	Sig	
: base central	0	.	.	.	.	.
western	-43.001	7.173	-5.99	0	-57.115	-28.886	***
LEVEL OF EDU :	0	.	.	.	.	.
bas~e							
primary	-1.39	6.192	-0.22	.822	-13.574	10.793	
junior high	17.124	7.028	2.44	.015	3.294	30.954	**
snr high	-1.979	9.443	-0.21	.834	-20.56	16.602	
tertiary	5.638	10.548	0.53	.593	-15.118	26.394	
YRS_SARG_VIS	4.45	.96	4.64	0	2.561	6.339	***
IBILITY							
: base	0	.	.	.	.	.
unemployed							
full time	-7.762	14.659	-0.53	.597	-36.607	21.083	
part time	-25.378	16.282	-1.56	.12	-57.417	6.662	
student	-13.23	18.239	-0.73	.469	-49.12	22.66	
apprentice	-11.716	17.588	-0.67	.506	-46.324	22.891	
retired/pensioner	-19.579	22.717	-0.86	.389	-64.28	25.123	
HHA : base	0	.	.	.	.	.
unemplo~d							
fishing/fish	-28.841	26.202	-1.10	.272	-80.4	22.718	
monger							
professional job	-.615	27.329	-0.02	.982	-54.391	53.161	
student/apprentice	-16.237	30.048	-0.54	.589	-75.365	42.89	
farming	-8.389	31.008	-0.27	.787	-69.406	52.628	
petty trading	-11.034	29.43	-0.37	.708	-68.944	46.876	
tourism	38.653	29.555	1.31	.192	-19.503	96.809	
small business	74.632	36.788	2.03	.043	2.243	147.021	**
artisans	-42.623	29.797	-1.43	.154	-101.257	16.011	
Gender : base	0	.	.	.	.	.
female							
male	6.809	5.619	1.21	.227	-4.248	17.866	
HHSIZE	.181	1.018	0.18	.859	-1.822	2.185	
M-status : base	0	.	.	.	.	.
ma~d							
unmarried	-3.47	8.273	-0.42	.675	-19.751	12.81	
divorced	-4.468	10.45	-0.43	.669	-25.03	16.094	
widowed	-4.242	9.962	-0.43	.671	-23.845	15.361	
EFFECTIVENES	-14.109	5.182	-2.72	.007	-24.306	-3.912	***
S_WTP-MONEY							
YEARS_OF_RES	-.537	.217	-2.47	.014	-.964	-.11	**
IDENCE							
ENUMERATOR	-5.939	4.673	-1.27	.205	-15.134	3.256	
S							
PRV_MIAS	-3.376	6.63	-0.51	.611	-16.422	9.669	
Constant	104.862	28.07	3.74	0	49.627	160.098	***

Mean dependent var	52.700	SD dependent var	48.641
R-squared	0.344	Number of obs	335
F-test	5.719	Prob > F	0.000
Akaike crit. (AIC)	3469.295	Bayesian crit. (BIC)	3579.905

*** $p < .01$, ** $p < .05$, * $p < .1$

Model 2

WTP_MID_MON EY	Coef.	St.Err.	t-value	p-value	[95% Conf Interval]	Sig	
: base central	0	.	.	.	.	.
western	-43.291	6.869	-6.30	0	-56.807	-29.774	***
LEVEL OF EDU :	0	.	.	.	.	.
bas~e							
primary	-1.315	6.103	-0.22	.83	-13.324	10.693	
junior high	17.499	6.787	2.58	.01	4.145	30.853	**
snr high	-2.441	8.832	-0.28	.782	-19.821	14.938	
tertiary	4.879	10.091	0.48	.629	-14.976	24.734	
YRS_SARG_VIS	4.369	.933	4.68	0	2.532	6.205	***
IBILITY							
: base	0	.	.	.	.	.
unemployed							
full time	-5.538	14.193	-0.39	.697	-33.465	22.389	
part time	-23.493	15.946	-1.47	.142	-54.868	7.883	
student	-13.195	17.74	-0.74	.458	-48.101	21.711	
apprentice	-11.298	17.04	-0.66	.508	-44.827	22.232	
retired/pensioner	-20.2	22.079	-0.91	.361	-63.643	23.243	
HHA : base	0	.	.	.	.	.
unemplo~d							
fishing/fish	-30.302	25.699	-1.18	.239	-80.868	20.264	
monger							
professional job	-1.092	26.879	-0.04	.968	-53.981	51.796	
student/apprentice	-17.563	29.414	-0.60	.551	-75.438	40.313	
farming	-8.542	30.75	-0.28	.781	-69.048	51.963	
petty trading	-12.774	28.965	-0.44	.66	-69.767	44.219	
tourism	37.398	28.915	1.29	.197	-19.496	94.292	
small business	70.381	35.014	2.01	.045	1.485	139.277	**
artisans	-43.617	29.536	-1.48	.141	-101.733	14.499	
Gender : base	0	.	.	.	.	.
female							
male	7.27	5.456	1.33	.184	-3.466	18.006	
HHADULTS	.349	1.432	0.24	.808	-2.468	3.166	
EFFECTIVENES	-14.078	5.084	-2.77	.006	-24.081	-4.075	***
S_WTP-MONEY							
YEARS_OF_RES	-.555	.217	-2.56	.011	-.982	-.128	**
IDENCE							
ENUMERATOR	-6.156	4.644	-1.33	.186	-15.294	2.982	
S							
Constant	103.4	27.454	3.77	0	49.381	157.42	***

Mean dependent var	52.700	SD dependent var	48.641
R-squared	0.342	Number of obs	335
F-test	6.714	Prob > F	0.000

Akaike crit. (AIC)	3462.052	Bayesian crit. (BIC)	3557.405
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*** $p < .01$, ** $p < .05$, * $p < .1$

Model 3

WTP_MID_MON EY	Coef.	St.Err.	t-value	p-value	[95% Conf Interval]	Sig	
: base central	0	.	.	.	.	.
western	-45.432	6.953	-6.53	0	-59.115	-31.748	***
LEVEL OF EDU :	0	.	.	.	.	.
bas~e							
primary	-2.354	6.2	-0.38	.704	-14.556	9.848	
junior high	14.518	6.745	2.15	.032	1.244	27.792	**
snr high	-5.202	8.82	-0.59	.556	-22.558	12.154	
tertiary	3.751	10.643	0.35	.725	-17.193	24.695	
YRS_SARG_VIS	4.322	.956	4.52	0	2.441	6.203	***
IBILITY							
HHA : base	0	.	.	.	.	.
unemplo~d							
fishing/fish	-22.825	25.297	-0.90	.368	-72.606	26.957	
monger							
professional job	15.656	26.952	0.58	.562	-37.384	68.695	
student/apprentice	-9.317	29.521	-0.32	.753	-67.411	48.778	
farming	4.486	31.169	0.14	.886	-56.853	65.824	
petty trading	-.311	28.54	-0.01	.991	-56.475	55.854	
tourism	55.196	28.925	1.91	.057	-1.726	112.117	*
small business	78.615	34.238	2.30	.022	11.236	145.994	**
artisans	-40.788	29.202	-1.40	.164	-98.255	16.678	
Gender : base	0	.	.	.	.	.
female							
male	10.244	5.721	1.79	.074	-1.015	21.503	*
HHADULTS	.584	1.43	0.41	.683	-2.23	3.399	
EFFECTIVENES	-12.232	5.241	-2.33	.02	-22.545	-1.918	**
S_WTP-MONEY							
YEARS_OF_RES	-.641	.22	-2.92	.004	-1.074	-.208	***
IDENCE							
ENUMERATOR	-6.242	4.767	-1.31	.191	-15.623	3.14	
S							
EFFECT_SARG_	2.51	17.546	0.14	.886	-32.02	37.04	
COMM							
HOUSEHOLD_H	-.586	8.694	-0.07	.946	-17.696	16.524	
EAD							
Constant	89.896	28.426	3.16	.002	33.957	145.836	***
Mean dependent var	53.045	SD dependent var	49.242				
R-squared	0.351	Number of obs	321				
F-test	7.706	Prob > F	0.000				
Akaike crit. (AIC)	3316.816	Bayesian crit. (BIC)	3399.787				

*** $p < .01$, ** $p < .05$, * $p < .1$

Model 4

WTP_MID_MON EY	Coef.	St.Err.	t-value	p-value	[95% Conf Interval]	Sig
: base central	0	.	.	.	.	.

western	-45.568	6.98	-6.53	0	-59.303	-31.832	***
LEVEL OF EDU :	0	.	.	.	.	.
bas~e							
primary	-2.281	6.231	-0.37	.715	-14.542	9.98	
junior high	14.711	6.831	2.15	.032	1.269	28.154	**
snr high	-4.589	8.903	-0.52	.607	-22.109	12.931	
tertiary	4.274	10.694	0.40	.69	-16.77	25.319	
YRS_SARG_VIS	4.329	.956	4.53	0	2.448	6.21	***
IBILITY							
HHA : base	0	.	.	.	.	.
unemplo~d							
fishing/fish	-22.209	25.172	-0.88	.378	-71.746	27.329	
monger							
professional job	16.185	26.902	0.60	.548	-36.757	69.127	
student/apprentice	-8.947	29.498	-0.30	.762	-66.998	49.103	
farming	5.402	30.931	0.17	.861	-55.468	66.273	
petty trading	.356	28.461	0.01	.99	-55.654	56.366	
tourism	55.565	28.881	1.92	.055	-1.271	112.402	*
small business	79.564	34.125	2.33	.02	12.408	146.721	**
artisans	-40.721	29.209	-1.39	.164	-98.202	16.76	
Gender : base	0	.	.	.	.	.
female							
male	10.298	5.719	1.80	.073	-.957	21.552	*
HHSIZE	.335	.954	0.35	.726	-1.542	2.212	
EFFECTIVENES	-12.196	5.248	-2.32	.021	-22.525	-1.868	**
S_WTP-MONEY							
YEARS_OF_RES	-.632	.216	-2.92	.004	-1.058	-.207	***
IDENCE							
ENUMERATOR	-6.333	4.753	-1.33	.184	-15.686	3.02	
S							
EFFECT_SARG_	2.195	17.496	0.13	.9	-32.236	36.625	
COMM							
HOUSEHOLD_H	-.727	8.68	-0.08	.933	-17.81	16.355	
EAD							
Constant	89.177	28.553	3.12	.002	32.987	145.366	***

Mean dependent var	53.045	SD dependent var	49.242
R-squared	0.351	Number of obs	321
F-test	7.702	Prob > F	0.000
Akaike crit. (AIC)	3316.862	Bayesian crit. (BIC)	3399.834

*** $p < .01$, ** $p < .05$, * $p < .1$

Model 5

WTP_MID_MON	Coef.	St.Err.	t-value	p-value	[95% Conf	Interval]	Sig
EY							
: base central	0	.	.	.	.	.
western	-41.692	7.351	-5.67	0	-56.162	-27.223	***
LEVEL OF EDU :	0	.	.	.	.	.
bas~e							
primary	-2.396	6.254	-0.38	.702	-14.705	9.913	
junior high	14.881	6.874	2.16	.031	1.351	28.41	**
snr high	.252	9.31	0.03	.978	-18.072	18.576	
tertiary	-3.647	10.849	-0.34	.737	-25.001	17.707	
YRS_SARG_VIS	3.886	1.04	3.74	0	1.839	5.932	***

IBILITY							
HHA : base	0	.	.	.	.	.	.
unemplo~d							
fishing/fish	-39.831	30.5	-1.31	.193	-99.862	20.2	
monger							
professional job	.684	31.779	0.02	.983	-61.864	63.232	
student/apprentice	-51.006	36.464	-1.40	.163	-122.776	20.764	
farming	-11.873	35.491	-0.33	.738	-81.729	57.983	
petty trading	-17.751	33.273	-0.53	.594	-83.24	47.738	
tourism	35.862	33.836	1.06	.29	-30.736	102.46	
small business	46.851	42.205	1.11	.268	-36.217	129.92	
artisans	-62.51	34.379	-1.82	.07	-130.176	5.157	*
Gender : base	0	.	.	.	.	.	.
female							
male	9.01	5.483	1.64	.101	-1.783	19.802	
HHSIZE	.343	.975	0.35	.725	-1.576	2.262	
EFFECTIVENES	-12.322	5.341	-2.31	.022	-22.835	-1.809	**
S_TAX							
YEARS_OF_RES	-.594	.222	-2.67	.008	-1.031	-.156	***
IDENCE							
ENUMERATOR	-6.08	4.817	-1.26	.208	-15.561	3.401	
S							
EFFECT_SARG_	1.943	17.483	0.11	.912	-32.468	36.355	
COMM							
EXPENDITURE	.008	.006	1.31	.19	-.004	.02	
Constant	101.811	30.845	3.30	.001	41.1	162.522	***

Mean dependent var	52.682	SD dependent var	48.473
R-squared	0.338	Number of obs	310
F-test	6.994	Prob > F	0.000
Akaike crit. (AIC)	3201.216	Bayesian crit. (BIC)	3283.420

*** $p < .01$, ** $p < .05$, * $p < .1$

Linear models wtp- (time)

Model 1

MID_WTP_TI	Coef.	St.Err.	t-value	p-value	[95% Conf	Interval]	Sig
ME							
LEVEL OF	0	.	.	.	.	.	.
EDU : bas~e							
primary	5.439	2.548	2.13	.033	.428	10.45	**
junior high	5.301	2.883	1.84	.067	-.368	10.97	*
snr high	3.901	3.911	1.00	.319	-3.789	11.592	
tertiary	2.598	5.654	0.46	.646	-8.519	13.714	
YRS_SARG_	.241	.406	0.59	.553	-.558	1.04	
VISIBILITY							
: base	0	.	.	.	.	.	.
unemployed							
full time	-3.095	4.422	-0.70	.484	-11.79	5.6	
part time	-1.233	5.38	-0.23	.819	-11.811	9.345	

student	-14.466	6.334	-2.28	.023	-26.92	-2.012	**
apprentice	-4.986	5.876	-0.85	.397	-16.541	6.568	
retired/pensioner	-32.624	12.25	-2.66	.008	-56.71	-8.537	***
HHA : base	0	.	.	.	.	.
unemplo~d							
fishing/fishmonger	4.274	10.237	0.42	.677	-15.855	24.403	
professional job	-6.359	11.326	-0.56	.575	-28.629	15.912	
student/apprentice	8.974	11.87	0.76	.45	-14.366	32.313	
farming	-2.582	13.459	-0.19	.848	-29.046	23.882	
petty trading	13.357	12.762	1.05	.296	-11.738	38.452	
tourism	27.416	13.374	2.05	.041	1.119	53.713	**
small business	15.912	13.056	1.22	.224	-9.76	41.583	
artisans	26.958	12.506	2.16	.032	2.368	51.548	**
Gender : base	0	.	.	.	.	.
female							
male	5.247	2.557	2.05	.041	.219	10.276	**
HHMINORS	-.691	.572	-1.21	.228	-1.815	.433	
EFFECTIVENESS	2.309	2.428	0.95	.342	-2.465	7.082	
ESS_WTP-MONEY							
YEARS_OF_RESIDENCE	.252	.082	3.06	.002	.09	.413	***
EFFECT_SAR	1.614	8.294	0.19	.846	-14.696	17.923	
G_COMM							
HOUSEHOLD_HEAD	3.469	3.633	0.95	.34	-3.674	10.612	
efish	-6.144	7.494	-0.82	.413	-20.88	8.592	
Constant	21.005	12.094	1.74	.083	-2.775	44.785	*

Mean dependent var	38.860	SD dependent var	20.187
R-squared	0.155	Number of obs	401
F-test	2.743	Prob > F	0.000
Akaike crit. (AIC)	3531.710	Bayesian crit. (BIC)	3635.553

*** $p < .01$, ** $p < .05$, * $p < .1$

Model 2

MID_WTP_TI	Coef.	St.Err.	t-value	p-value	[95% Conf	Interval]	Sig
LEVEL OF	0	.	.	.	.	.
EDU : bas~e							
primary	5.878	2.53	2.32	.021	.904	10.852	**
junior high	6.1	2.868	2.13	.034	.46	11.739	**

snr high	3.718	3.871	0.96	.337	-3.892	11.329	
tertiary	3.239	5.617	0.58	.564	-7.804	14.282	
YRS_SARG_	-.132	.399	-0.33	.74	-.916	.652	
VISIBILITY							
: base	0	.	.	.	.	.
unemployed							
full time	-1.984	4.263	-0.47	.642	-10.364	6.397	
part time	-.224	5.252	-0.04	.966	-10.55	10.102	
student	-14.163	6.111	-2.32	.021	-26.178	-2.149	**
apprentice	-5.419	5.74	-0.94	.346	-16.704	5.865	
retired/pensioner	-29.685	12.256	-2.42	.016	-53.781	-5.589	**
HHA : base	0	.	.	.	.	.
unemplo~d							
fishing/fishmonger	5.004	10.277	0.49	.627	-15.203	25.21	
professional job	-7.108	11.259	-0.63	.528	-29.244	15.029	
student/apprentice	10.183	11.533	0.88	.378	-12.493	32.859	
farming	-2.904	13.03	-0.22	.824	-28.523	22.715	
petty trading	15.301	12.582	1.22	.225	-9.437	40.038	
tourism	27.603	13.454	2.05	.041	1.15	54.055	**
small business	14.406	13.04	1.10	.27	-11.231	40.043	
artisans	21.709	12.054	1.80	.072	-1.99	45.407	*
Gender : base	0	.	.	.	.	.
female							
male	6.379	2.515	2.54	.012	1.433	11.324	**
HHMINORS	-.664	.569	-1.17	.244	-1.783	.455	
effect_envt_quality	3.446	2.056	1.68	.095	-.596	7.488	*
effect_water_quality	-.721	1.066	-0.68	.499	-2.816	1.374	
EFFECTIVENESS_LABOUR	-2.698	5.013	-0.54	.591	-12.554	7.157	
EFFECTIVENESS_WTP-MONEY	.908	2.398	0.38	.705	-3.807	5.624	
YEARS_OF_RESIDENCE	.258	.081	3.19	.002	.099	.417	***
HOUSEHOLD_HEAD	4.243	3.52	1.21	.229	-2.677	11.164	
Constant	23.158	13.168	1.76	.079	-2.731	49.046	*

Mean dependent var 38.739 SD dependent var 20.373

R-squared	0.163	Number of obs	415
F-test	2.896	Prob > F	0.000
Akaike crit. (AIC)	3658.891	Bayesian crit. (BIC)	3767.654

*** $p < .01$, ** $p < .05$, * $p < .1$

Model 3

MID_WTP_TI ME	Coef.	St.Err.	t- value	p- value	[95% Conf	Interval]	Sig
LEVEL OF	0	.	.	.	.	.	.
EDU : base							
primary	5.511	2.492	2.21	.028	.611	10.411	**
junior high	5.352	2.862	1.87	.062	-.275	10.979	*
snr high	3.325	3.866	0.86	.39	-4.275	10.925	
tertiary	2.474	5.581	0.44	.658	-8.499	13.446	
YRS_SARG_	.03	.396	0.08	.939	-.748	.809	
VISIBILITY							
: base	0	.	.	.	.	.	.
unemployed							
full time	-3.123	4.25	-0.73	.463	-11.479	5.233	
part time	-.924	5.256	-0.18	.861	-11.257	9.41	
student	-15.092	6.114	-2.47	.014	-27.111	-3.072	**
apprentice	-6.349	5.74	-1.11	.269	-17.634	4.936	
retired/pension er	-29.903	12.281	-2.43	.015	-54.049	-5.758	**
HHA : base	0	.	.	.	.	.	.
unemplo~d							
fishing/fish monger	4.473	10.31	0.43	.665	-15.797	24.744	
professional job	-7.504	11.3	-0.66	.507	-29.72	14.713	
student/apprent ice	10.449	11.579	0.90	.367	-12.315	33.213	
farming	-2.914	13.069	-0.22	.824	-28.607	22.78	
petty trading	15.281	12.625	1.21	.227	-9.54	40.103	
tourism	26.622	13.411	1.99	.048	.257	52.987	**
small business	15.729	13.073	1.20	.23	-9.972	41.43	
artisans	22.14	12.095	1.83	.068	-1.638	45.919	*
Gender : base	0	.	.	.	.	.	.
female							
male	5.322	2.275	2.34	.02	.849	9.795	**
HHMINORS	-.665	.569	-1.17	.244	-1.784	.455	
effect_envt_qu ality	2.73	2.035	1.34	.181	-1.271	6.732	
effect_water_q uality	-.717	1.065	-0.67	.501	-2.811	1.376	

YEARS_OF_RESIDENCE_EFFECTIVENESS_LABOUR	.239	.08	2.97	.003	.081	.397	***
Constant	27.753	11.873	2.34	.02	4.41	51.096	**
Mean dependent var	38.644		SD dependent var		20.392		
R-squared	0.152		Number of obs		418		
F-test	2.943		Prob > F		0.000		
Akaike crit. (AIC)	3686.792		Bayesian crit. (BIC)		3787.679		

*** $p < .01$, ** $p < .05$, * $p < .1$

Model 4

MID_WTP_TIME	Coef.	St.Err.	t-value	p-value	[95% Conf Interval]	Sig
LEVEL OF EDUCATION : base 0	.	.	.	.	.	.
primary	5.523	2.522	2.19	.029	.565 10.481	**
junior high	5.317	2.947	1.80	.072	-.476 11.11	*
snr high	2.969	4.117	0.72	.471	-5.124 11.063	
tertiary	3.581	5.74	0.62	.533	-7.704 14.866	
YRS_SARG_VISIBILITY : base 0	.606	.35	1.73	.084	-.081 1.293	*
unemployed						
full time	-1.636	4.36	-0.38	.708	-10.209 6.937	
part time	.431	5.312	0.08	.935	-10.013 10.874	
student	-13.599	6.352	-2.14	.033	-26.087 -1.111	**
apprentice	-5.818	5.897	-0.99	.325	-17.412 5.777	
retired/pensioner	-27.424	12.48	-2.20	.029	-51.96 -2.888	**
HHA : base 0	.	.	.	.	.	.
unemplo~d						
fishing/fish monger	3.791	10.444	0.36	.717	-16.742 24.323	
professional job	-8.337	11.427	-0.73	.466	-30.802 14.128	
student/apprentice	9.649	11.758	0.82	.412	-13.468 32.765	
farming	-3.993	13.252	-0.30	.763	-30.047 22.061	
petty trading	13.775	12.786	1.08	.282	-11.362 38.912	
tourism	25.073	13.541	1.85	.065	-1.549 51.695	*
small business	12.988	13.353	0.97	.331	-13.264 39.24	
artisans	19.079	12.178	1.57	.118	-4.862 43.021	
Gender : base 0	.	.	.	.	.	.

female							
male	6.15	2.364	2.60	.01	1.502	10.797	***
HHMINORS	-.576	.579	-0.99	.321	-1.714	.563	
effect_envt_quality	3.57	2.073	1.72	.086	-.505	7.646	*
effect_water_quality	-1.125	1.071	-1.05	.294	-3.231	.981	
EFFECTIVENESS	-.769	4.941	-0.16	.876	-10.483	8.944	
ESS_LABOUR							
M-status : base	0	.	.	.	.	.
ma~d							
unmarried	1.662	3.527	0.47	.638	-5.273	8.597	
divorced	8.923	4.405	2.03	.043	.263	17.584	**
widowed	2.682	4.247	0.63	.528	-5.667	11.031	
Constant	27.037	12.059	2.24	.026	3.328	50.747	**
Mean dependent var	38.644		SD dependent var	20.392			
R-squared	0.143		Number of obs	418			
F-test	2.506		Prob > F	0.000			
Akaike crit. (AIC)	3695.454		Bayesian crit. (BIC)	3804.412			

*** $p < .01$, ** $p < .05$, * $p < .1$